

Appl. No. 10/821,451
Reply to Office action of November 23, 2005
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IN THE SPECIFICATION:

Please replace paragraph 16 with the following:

[0016] In order to account for variations caused by lead maturation, the present invention includes a sense amplifier having a variable range. The range can be altered over time in order to selectively eliminate sensed events that are introduced due to the lead maturation process. For example, if T-wave variance generates improper sensed events because T-wave amplitude has increased or the frequency domain has changed, the gain and/or the bandpass range can be altered either automatically ~~of or~~ manually to eliminate the extraneous events. As noted above, typical bandpass ranges are on the order of 25-39 hertz. If T-wave activity is appropriately sensed, the range and sensitivity (gain) can be adjusted to focus on a narrower range, e.g., 30-39 hertz, thereby eliminating the extraneous events. Similarly, adjustments may be made to P-wave sensing parameters in the atrial channel to reduce or eliminate far-field sensing that might occur due to lead maturation.